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Notice of Allowability	Application No.		Applicant(s)	
	09/224,340		DIMARCO, MARIO	
	Examiner		Art Unit	
	Tuan T. Dinh		2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an interview on 06/18/07.
2. ☒ The allowed claim(s) is/are 3-5, 7, 9-11 (renumber claims are 1-7).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>06/18/07</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lisa Schoedel Reg. No. 53,564) on June 18, 2007.

The application has been amended as follows:

1-2. **(canceled)**

3 **(currently amended)** ~~[[An]]~~ The IMA cabinet in accordance with claim ~~[[2]]~~ 4, wherein said first screw is configured as a jack screw.

4. **(currently amended)** ~~An IMA cabinet in accordance with claim 2~~ An integrated modular avionics (IMA) cabinet comprising:

a plurality of printed circuit board (PCB) modules, wherein each PCB module including a faceplate and a connector assembly disposed opposite said faceplate such that each PCB module is enclosed; wherein said faceplate has a first end and opposite second end;

a chassis having a front, wherein said front of said chassis is configured with slots for receiving said plurality of PCB modules, and wherein said plurality of printed circuit board modules creates a seal with said chassis;

a first screw for attaching said first end of said face plate to said chassis; and

a second screw for attaching said second end of said face plate to said chassis.

wherein said first and second screws are configured to clutch when said screws are tightened to apply a predetermined amount of force between said face plate of the PCB module and said chassis.

5. **(currently amended)** ~~[[An]]~~ The IMA cabinet in accordance with claim 4, wherein said predetermined amount of force applies a load of about 70 pounds per screw.

6. **(canceled)**

7. **(currently amended)** ~~An IMA cabinet in accordance with claim 6~~ An integrated modular avionics (IMA) cabinet comprising:

a plurality of printed circuit board (PCB) modules, wherein each PCB module including a faceplate and a connector assembly disposed opposite said faceplate such that each PCB module is enclosed; wherein said faceplate has a first end and opposite second end, and wherein said connector assembly further comprises a plurality of connectors for connecting to wire harnesses;

a chassis having a front, wherein said front of said chassis is configured with slots for receiving said plurality of PCB modules, and wherein said plurality of printed circuit board modules creates a seal with said chassis:

a first screw for attaching said first end of said face plate to said chassis; and

a second screw for attaching said second end of said face plate to said chassis.

a first circuit board having a first end connected to said face plate and an opposite second end connected to said connector assembly; and
a second circuit board having a first end connected to said face plate and an opposite second end connected to said connector assembly, wherein said second circuit board is disposed adjacent said first circuit board.

8. (canceled)

9. (currently amended) [[An]] The IMA cabinet in accordance with claim 7, wherein said first circuit board and said second circuit board are connected to said connectors without using ribbon cables or flexprint interconnections.

10. (currently amended) [[An]] The IMA cabinet in accordance with claim 9, wherein said first circuit board and said second circuit board are connected to said connectors with surface mounted leads.

11. (currently amended) [[An]] The IMA cabinet in accordance with claim 9, wherein said first circuit board and said second circuit board are connected to said connectors with 90 degree leads.

12-24 (canceled)

Allowable Subject Matter

2. Claims 3-5, 7, and 9-11 are allowed (renumber claims are 1-7).

The following is an examiner's statement of reasons for allowance:

The reasons for allowance are based on a decision of Board of Patents Appeals and interferences made on March 27, 2007.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reichard Dean can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tuan Dinh
June 26, 2007.



TUAN T. DINH
PRIMARY EXAMINER